

**THE EFFECTIVENESS OF CLUSTERING TECHNIQUE ON WRITING  
ABILITY AND APPREHENSION OF THE ELEVENTH GRADE  
STUDENTS OF MAN MODEL PALANGKA RAYA**

**THESIS**

**Presented to the Department of Education of the State Islamic College of  
Palangka Raya in Partial Fulfillment of the Requirements for the Degree of  
Sarjana Pendidikan Islam**



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Peace be unto you and God's mercy and blessing as well.

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Thank you for the great attention.

Peace be you and God's blessing us.

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Palangka Raya, October 26<sup>th</sup>, 2014

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**The Effectiveness of Clustering Technique on Writing Ability and  
Apprehension of the Eleventh Grade Students of MAN Model  
Palangka Raya**

**ABSTRACT**

The objectives of this study were (a) to measure the effectiveness of using clustering technique on writing ability of the eleventh grade students of MAN Model Palangka Raya; (b) to measure the effectiveness of using clustering technique on writing apprehension of the eleventh grade students of MAN Model Palangka Raya; (c) to measure effectiveness of using clustering technique on writing ability and apprehension of the eleventh grade students of MAN Model Palangka Raya.

In this research, the researcher used quantitative approach with quasi-experimental design. The researcher designed the lesson plan, conducted the treatment, observed the students' scores by pre-test and post-test. The population of the study were the eleventh grade students of MAN Model Palangka Raya which consist of 232 students. They were class XI IPA<sup>1</sup> was 36 students, class XI IPA<sup>2</sup> was 36 students, class XI IPA<sup>3</sup> was 36 students, class XI IPA<sup>4</sup> was 35 students, class XI Bahasa was 29 students, XI Agama was 28 students and class IPs was 30 students. The researcher took three classes as the samples of this research. The writer choose XI IPA<sup>4</sup> as Control Group and class XI IPA<sup>2</sup> as Experiment Group.

After getting the data analysis using One-Way ANOVA, the result showed that there was significant differences among groups after doing the treatment with  $F_{\text{value}}$  was higher than  $F_{\text{table}}$  ( $97.829 \geq 2.75$ ). Then researcher applied Post Hoc Test to answer the research problems, and the result showed that (a) Experiment Group of writing ability showed the significant value . ( $0.00 \text{ lower} \leq 0.05$ ). It meant that there was significant effect of clustering technique on students writing ability; (b) Experiment Group of writing apprehension showed the significant value ( $0.01 \text{ lower} \leq 0.05$ ). It meant that there was significant effect of clustering technique on students writing apprehension. (c) there is different effect between experiment group using clustering technique on writing ability and apprehension, the technique were effective in improving students' writing ability and apprehension. It was based on the calculation showed that the significant value was higher than alpha ( $0.18 \geq 0.05$ ).

**Key Words:** Clustering Technique, Writing Ability, and Writing Apprehension.

# **Keefektifan Teknik Clustering Terhadap Kemampuan Menulis dan Kecemasan Siswa Pada Siswa Kelas Sebelas di Man Model Palangka Raya**

## **ABSTRAK**

Tujuan dari penelitian ini adalah (a) untuk mengukur keefektifan teknik clustering pada kemampuan menulis siswa pada siswa kelas sebelas di MAN Model Palangka Raya; (b) untuk mengukur keefektifan teknik clustering pada kecemasan menulis siswa pada siswa kelas sebelas di MAN Model Palangka Raya; (c) untuk mengukur keefektifan teknik clustering pada kemampuan dan kecemasan dalam menulis siswa pada siswa kelas sebelas di MAN Model Palangka Raya.

Penulis menggunakan pendekatan kuantitatif dengan desain quasi-eksperimen didalam penelitian ini. Penulis merancang RPP, memberikan perlakuan, mengamati nilai siswa dengan pre-test dan post-test. Populasi dalam penelitian ini adalah siswa kelas sebelas di Man Model Palangka Raya yang berjumlah 232 siswa. Mereka adalah siswa kelas XI di MAN Model Palangka Raya, yang mana kelas XI IPA 1 berjumlah 36 siswa, kelas XI IPA2 berjumlah 36 siswa, kelas IPA3 berjumlah 36 siswa, kelas IPA 4 berjumlah 35 siswa, kelas XI Bahasa berjumlah 29 siswa, kelas XI agama berjumlah 28 siswa dan kelas IPS berjumlah 30 siswa. Penulis mengambil dua kelas sebagai sampel penelitian ini. Peneliti memilih XI IPA4 sebagai kelompok kontrol, kelas XI IPA2 sebagai kelompok eksperimen.

Penulis menggunakan ANOVA satu arah dalam menganalisis data, dan hasilnya menunjukkan bahwa ada perbedaan yang sangat signifikan antar kelompok setelah dilakukannya perlakuan dengan  $F_{hitung}$  lebih tinggi dari  $F_{tabel}$  ( $97.839 \geq 3.11$ ). Kemudian peneliti menerapkan Post Hoc Test untuk menjawab permasalahan penelitian, dan hasilnya menunjukkan bahwa (a) kemampuan menulis siswa pada kelas experiment menunjukan hasil yang signifikan, dengan nilai signifikan lebih rendah dari alpha ( $0.00 \text{ rendah} \leq 0,05$ ); (b) kecemasan menulis siswa pada kelas eksperimen menunjukan hasil yang signifikan, dengan nilai signifikan lebih rendah dari alpha ( $0.01 \text{ rendah} \leq 0,05$ ); (c) terdapat perbedaan yang signifikan pada kemampuan dan kecemasan siswa dalam menulis menggunakan teknik clustering. Hal ini didasarkan pada perhitungan menunjukkan bahwa nilai signifikan lebih tinggi dari alpha ( $0,18 \geq 0,05$ ).

**Kata Kunci:** Clustering Technique, Kemampuan Menulis, Kecemasan Menulis.



## **DECLARATION OF AUTHENTICATION**

In the name of God

I myself make declaration that this thesis entitles The Effectiveness of Clustering Technique on Writing Ability and Apprehension of the Eleventh Grade Students of MAN Model Palangka Raya is truly my own writing . If it is not my own writing so, it is given a citation and shown in the list of references.

If my own declaration is not right in this thesis one day so. I am ready to be given academic sanction namely, the cancellation of the degree of this thesis.

Palangka Raya, October 26<sup>th</sup>, 2014

Writer

Mamik Rustika Sari  
SRN. 1001 120 606

## MOTTO

### No Pain No Gain

وَمَنْ جَاهَدَ فَإِنَّمَا يُجَاهِدُ لِنَفْسِهِ.....(٦)

And if any strive (with and might),

They do so for their own soul....

(QS. Al-Ankabuut ; 6)

## **DEDICATION**

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### **LIST OF ABBREVIATIONS**

ANOVA	:	Analysis of Variance
DF	:	Degree of Freedom
ICC	:	Intra-Class Correlation Coefficient
K-R	:	Kuder-Rechardson
SPSS	:	Stattistical Package for Service Solution
MAN	:	Madrasah Aliyah Negri
IPS	:	Ilmu Pengetahuan Sosial
IPA	:	Ilmu Pengetahuan Alam
SPSS	:	Statistic Product and Service Solution
SD	:	Standard deviation

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